Journal of Fluid Mechanics Volume 466 **10 September 2002**

G. Huang & M. G. Velarde	Capillary–gravity simultons in a liquid layer	1
B. Bunner & G. Tryggvason	Dynamics of homogeneous bubbly flows. Part 1. Rise velocity and microstructure of the bubbles	17
B. Bunner & G. Tryggvason	Dynamics of homogeneous bubbly flows. Part 2. Velocity fluctuations	53
O. K. Matar, R. V. Craster & M. R. E. Warner	Surfactant transport on highly viscous surface films	85
H.-H. Wei & D. S. Rumschitzki	The linear stability of a core–annular flow in an asymptotically corrugated tube	113
H.-H. Wei & D. S. Rumschitzki	The weakly nonlinear interfacial stability of a core–annular flow in a corrugated tube	149
A. R. Kasimov & D. S. Stewart	Spinning instability of gaseous detonations	179
F. Paparella & W. R. Young	Horizontal convection is non-turbulent	205
F. Sotiropoulos, D. R. Webster & T. C. Lackey	Experiments on Lagrangian transport in steady vortex-breakdown bubbles in a confined swirling flow	215
S. Kumar & O. K. Matar	Instability of long-wavelength disturbances on gravity-modulated surfactant-covered thin liquid layers	249
Y. Tomita, P. B. Robinson, R. P. Tong & J. R. Blake	Growth and collapse of cavitation bubbles near a curved rigid boundary	259
M. J. Hancock & J. W. M. Bush	Fluid pipes	285
M. S. Longuet-Higgins & D. A. Drazen	On steep gravity waves meeting a vertical wall: a triple instability	305
O. Lorillu, R. Weber & J. Hureau	Numerical and experimental analysis of two-dimensional separated flows over a flexible sail	319
C. Geindreau & J.-L. Auriault	Magnetohydrodynamic flows in porous media	343
P. Bagchi & S. Balachandar	Steady planar straining flow past a rigid sphere at moderate Reynolds number	365

BOOK REVIEWS

Efficient Solvers for Incompressible Flow Problems, by S. Turek; Spectral/hp Methods for CFD, by G. E. Karniadakis & S. J. Sherwin 408

SHORT NOTICES

INDEX TO VOLUME 466 411

SCHEDULE OF INTERNATIONAL CONFERENCES ON FLUID MECHANICS 412

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200209)466;1-R